

Why are we talking about this?

- Are we spending our time on what we said was important?
- Are we on track?
- What should we be doing now?

I. IWRRI Contract Requirements

- Initial one-time tasks
 - convert all data to IDTM83
- consult with ESHMC
 - double-check irrigated lands & mapping to diversions
- Ongoing data collection
 - Canal tabular data
 - Diversions and returns

- Ongoing data collection (cont)
 - Fixed-point GIS data
 - Fixed-point tabular data
 - Offsite pumping GIS data
 - Offsite tabular data
 - Perched seepage tabular data

- Ongoing data collection (cont)
 - Precipitation GIS data
 - Non-irrigated recharge GIS data
 - Tributary underflow tabular data

- Refinement of Methods
 - GW fraction on mixed-source lands
 - Discretization of river & spring reaches
 - Return flows
 - Perched-river seepage

- Final Tasks
 - Run Recharge Tool
 - output *.wel and/or *.rch files
 - Calculate water balance and implied change in storage
 - Summarize, check & verify
 - Write summary report

IIa. Additional work undertaken in response to ESHMC input

- One-month stress periods
- Extend data set
- Canal seepage
 - refinement of method
 - extend spatial extent
- Non-irrigated recharge
 - refinement of method
 - increase PESTability (more parameters)

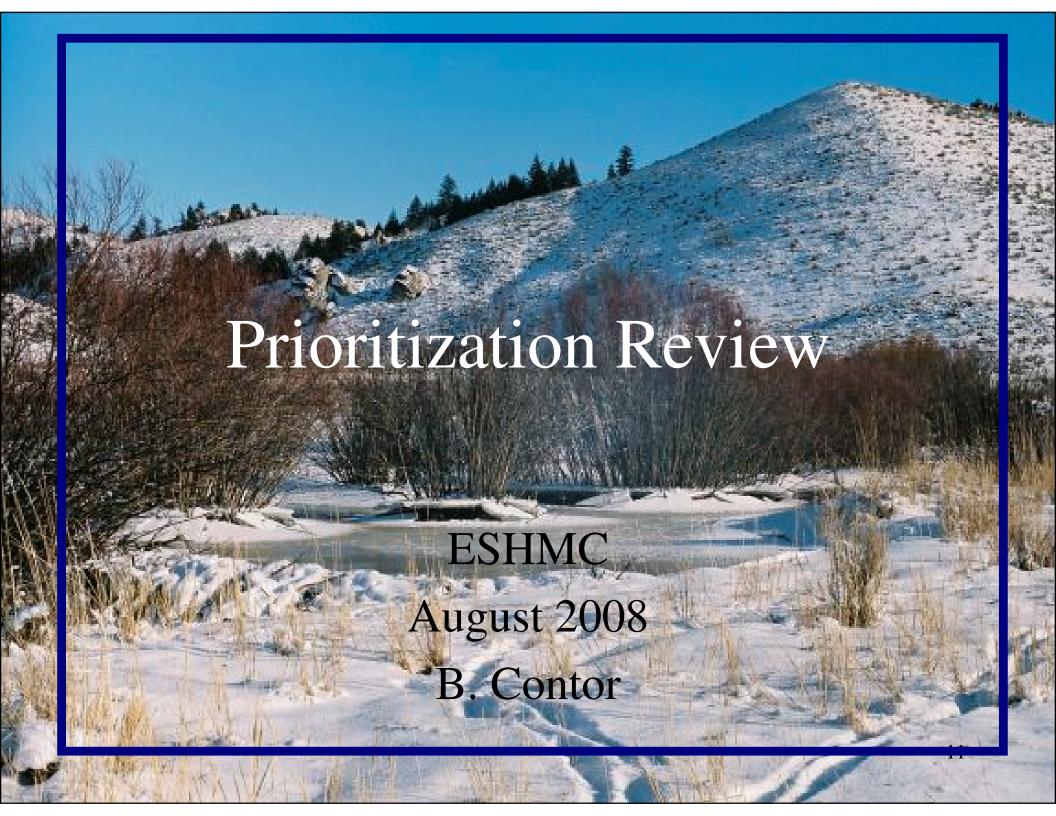
IIa. Additional work undertaken in response to ESHMC input (cont)

- Upgrades to recharge tool
 - ability to handle > 255 stress periods
 - additional PEST options
 - summary tool
- On-farm Water Budget
 - (details still under discussion)
- Uncertainty Analysis (IDWR)
- Boundaries (IDWR)

IIb. Review of what we said was important

Copies of Slides from August 2008

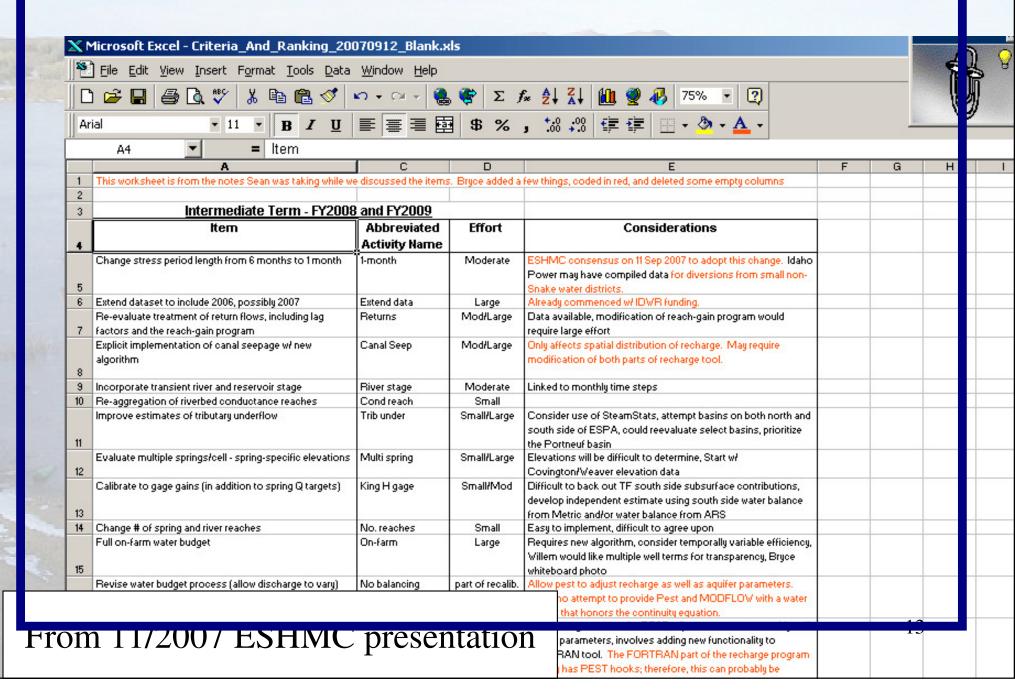
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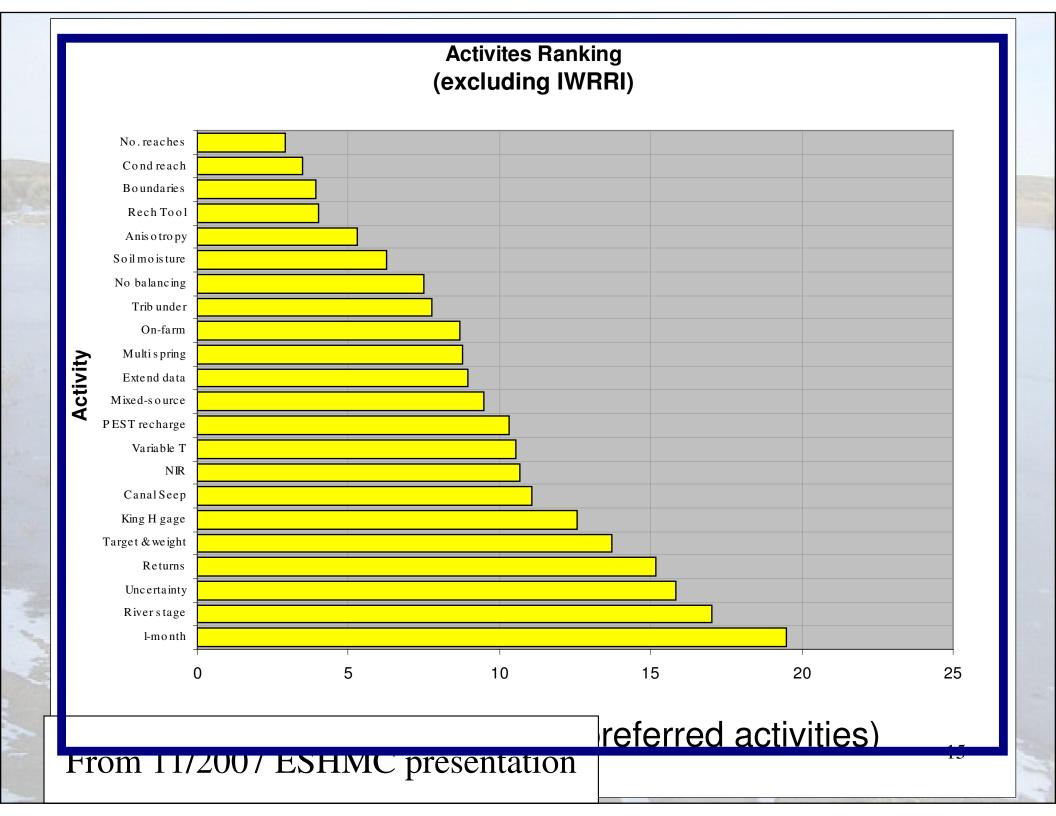


 In 2007 we brainstormed possible modifications to conceptual model & modeling procedures

List of activities from Sean's discussion

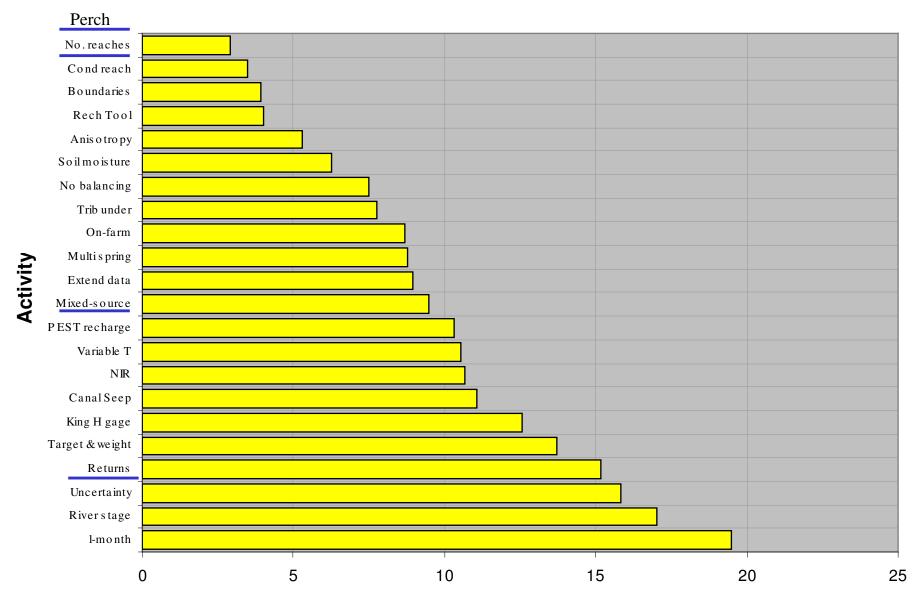




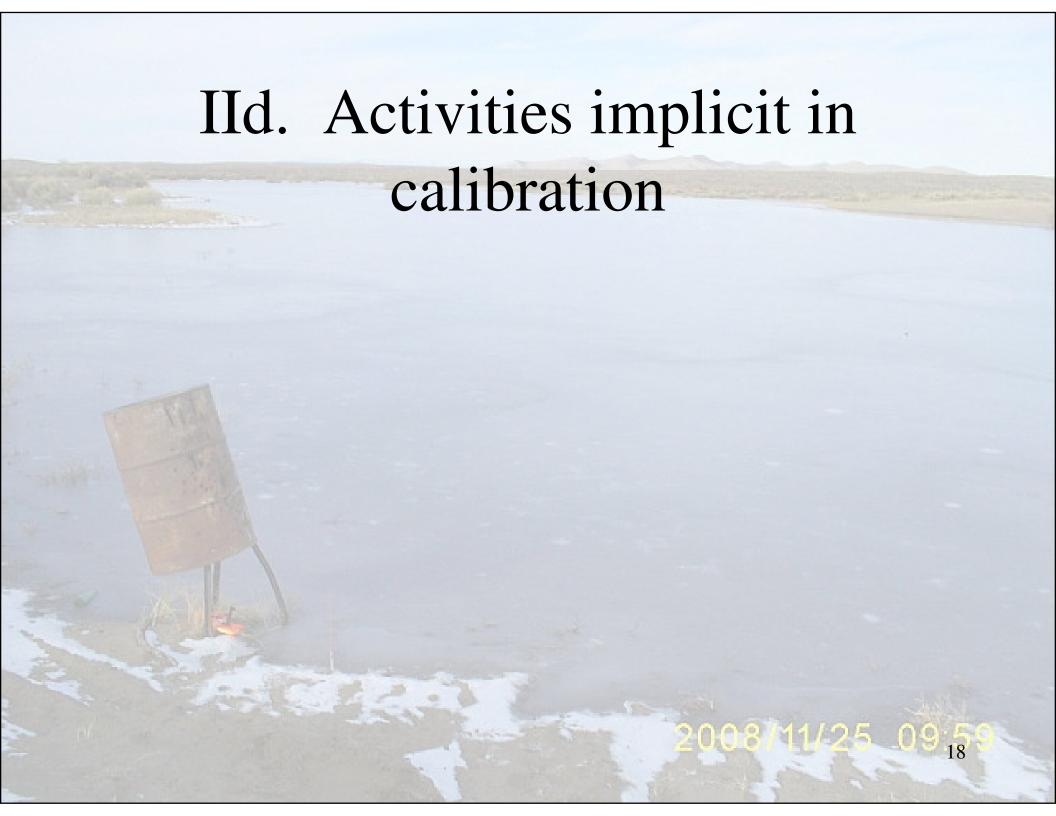




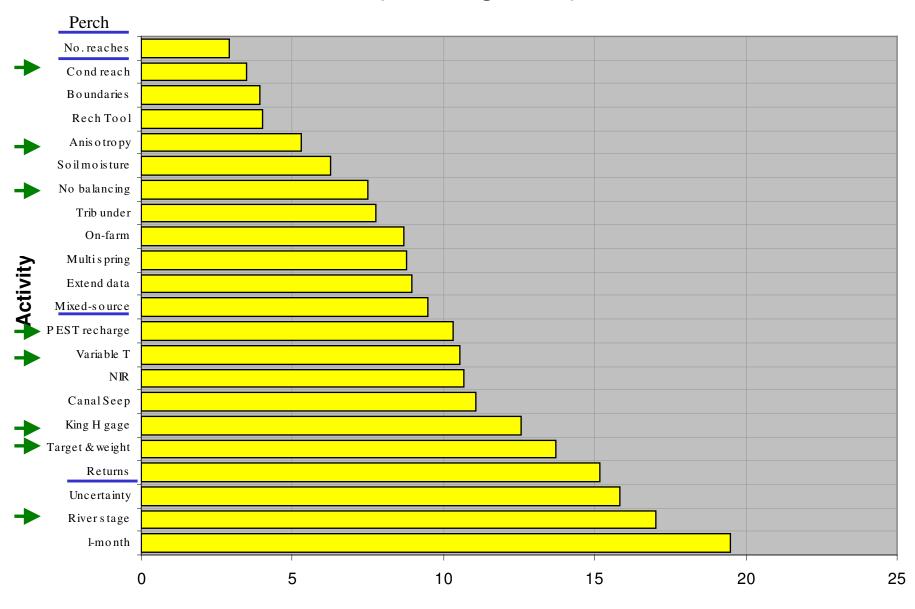
Activites Ranking (excluding IWRRI)



(high numbers mean preferred activities)

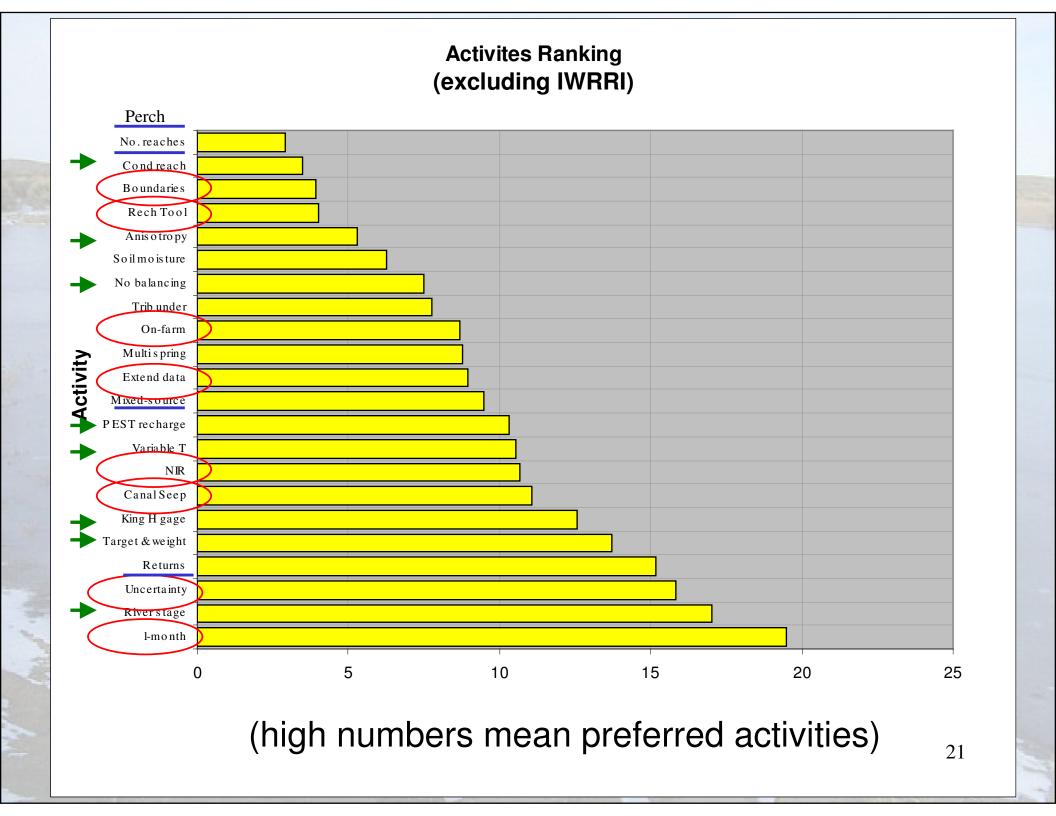




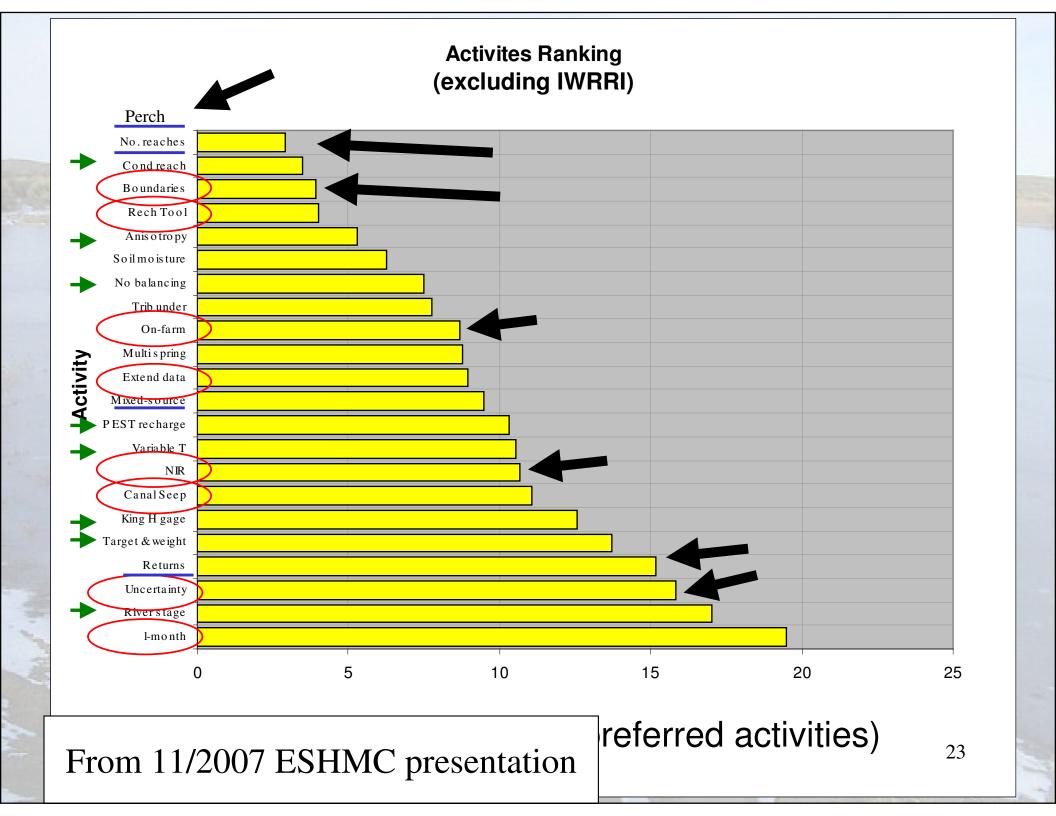


(high numbers mean preferred activities)

IIe. Additional tasks in light of priorities









Initial one-time tasks

convert all data to IDTM83

consult with ESHMC125%

double-check irrigated lands & mapping to diversions

Ongoing data collection

Canal tabular data95%

Diversions and returns95%

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100%

Ongoing data collection (cont)

 Fixed-point GIS data 	100%
 Fixed-point tabular data 	100%
 Offsite pumping GIS data 	100%
 Offsite tabular data 	100%
 Perched seepage tabular data 	100%

- Ongoing data collection (cont)
 - Precipitation GIS data100%
 - Non-irrigated recharge GIS data
 - Tributary underflow tabular data
 100%

Refinement of Methods

- GW fraction on mixed-source lands 90%

Discretization of river & spring reaches (IDWR)

Return flows

Perched-river seepage20%

Final Tasks

 Get data into proper format 	2%
- Run Recharge Tool	0.01
• output *.wel and/or *.rch files	0%
 Calculate water balance and implied calculate 	hange in
storage	0%
 Summarize, check & verify 	0%
– Write summary report	0%
– Participate w/ Calibration 2008 11	1/2 <mark>0</mark> %09:

IIIb. Additional work undertaken in response to ESHMC input

 One-month stress periods 		
• Extend data set	80%	
• Canal seepage		
 refinement of method 	100%	
 extend spatial extent 	20%	
Non-irrigated recharge		
- refinement of method	70%	
 increase PESTability (more parameters) 	40%	

IIIb. Additional work undertaken in response to ESHMC input (cont)

Upgrades to recharge tool

– ability to	handle >	255 s	tress perio	ods !	90%
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- additional PEST options
 40%
- summary tool
- On-farm Water Budget
 - (still under discussion)
- Uncertainty Analysis (IDWR)
- Boundaries (IDWR)

